

## Abstract

A mobile receiver apparatus is provided where its antenna directivity is controllably determined for improving the response to a desired signal as it moves and its surrounding geographical features and thus its environment for signal reception are varied. The mobile receiver apparatus comprises a directivity variable antenna, an antenna controller connected with the directivity variable antenna for conducting a control action to align the directivity with a desired direction, and an optimum directivity calculator connected with the antenna controller for calculating from the current position of a mobile and its surrounding geographical features an optimum pattern of the directivity.

15